

Fig. 1

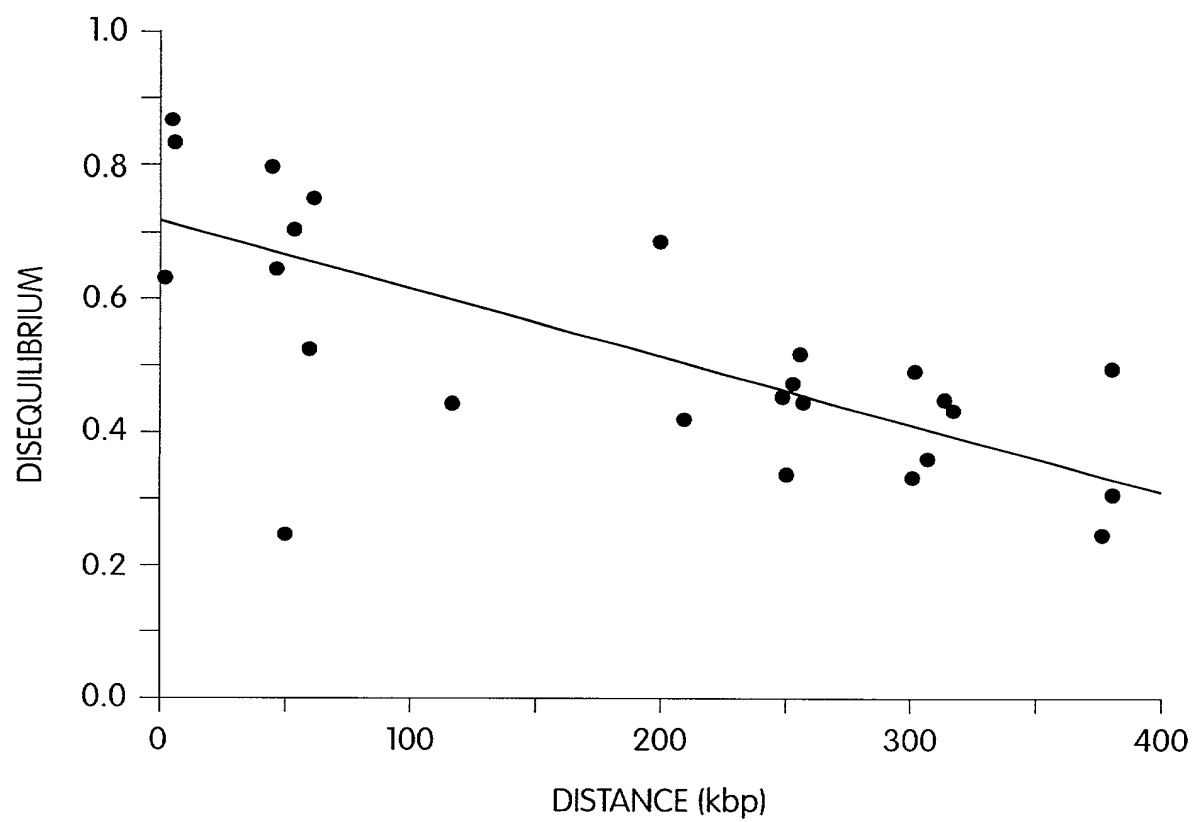


Fig. 2

-1437 AAGCTTCTAC CCTAGTCTGG TGCTACACTT ACATTGCTTA CATCCAAGTG TGGTTATTTTC
 -1377 TGTGGCTCCT GTTATAACTA TTATAGCACC AGGTCTATGA CCAGGAGAAT TAGACTGGCA
 -1317 TTAAATCAGA ATAAGAGATT TTGCACCTGC AATAGACCTT ATGACACCTA ACCAACCCCA
 -1257 TTATTTACAA TTAAACAGGA ACAGAGGGAA TACTTTTATCC AACTCACACA AGCTGTTTTTC
 -1197 CTCCCAGATC CATGCTTTTT TGCGTTTATT ATTTTTTAGA GATGGGGGCT TCACTATGTT
 -1137 GCCCACACTG GACTAAAACT CTGGGCTCA AGTGATTGTC CTGCCTCAGC CTCCTGAATA
 -1077 GCTGGGACTA CAGGGGCATG CCATCACACC TAGTTCATTT CCTCTATTTA AAATATACAT
 -1017 GGCTTAAACT CCAACTGGGA ACCCAAAACA TTCATTTGCT AAGAGTCTGG TGTCTACCA
 -957 CCTGAACTAG GCTGGCCACA GGAATTATAA AAGCTGAGAA ATTCTTTAAT AATAGTAACC
 -897 AGGCAACATC ATTGAAGGCT CATATGTAAA AATCCATGCC TTCCTTTCTC CCAATCTCCA
 -837 TTCCCAAACCT TAGCCACTGG TTCTGGCTGA GGCTTACGC ATACCTCCCG GGGCTTGCAC
 -777 ACACCTTCTT CTACAGAAGA CACACCTTGG GCATATCCTA CAGAAGACCA GGCTTCTCTC
 -717 TGGTCCTTGG TAGAGGGCTA CTTTACTGTA ACAGGGCCAG GGTGGAGAGT TCTCTCTGA
 -657 AGCTCCATCC CCTCTATAGG AAATGTGTTG ACAATATTCA GAAGAGTAAG AGGATCAAGA
 -597 CTTCTTTGTG CTCAAATACC ACTGTTCTCT TCTCTACCTT GCCCTAACCA GGAGCTTGTC
 -537 ACCCCAAACT CTGAGGTGAT TTATGCCTTA ATCAAGCAA CTTCCCTCTT CAGAAAAGAT
 -477 GGCTCATTTT CCCTCAAAAG TTGCCAGGAG CTGCCAAGTA TTCTGCCAAT TCACCTGGA
 -417 GCACAATCAA CAAATTCAGC CAGAACACAA CTACAGCTAC TATTAGAACT ATTATTATTA
 -357 ATAAATTCCT CTCCAAATCT AGCCCCCTGA CTTCCGATTT CACGATTTCT CCCTTCCTCC
 -297 TAGAACTTG ATAAGTTTCC CGCGCTTCCC TTTTCTAAG ACTACATGTT TGTCTCTTA
 -237 TAAAGCAAAG GGGTGAATAA ATGAACCAA TCAATAACTT CTGGAATATC TGCAACAAC
 -177 AATAATATCA GCTATGCCAT CTTTCACTAT TTTAGCCAGT ATCGAGTTGA ATGAACATAG
 -117 AAAAATACAA AACTGAATTC TTCCCTGTAA ATTCCCCGTT TTGACGACGC ACTTGTAGCC
 -57 ACGTAGCCAC GCCTACTTAA GACAATTACA AAAGGCGAAG AAGACTGACT CAGGCTTAAG
 4 CTGCCAGCCA GAGAGGGAGT CATTTCATTG GCGTTTGAGT CAGCAAAGGT ATTGTCCTCA
 64 CATCTCTGGC TATTAAAGTA TTTTCTGTTG TTGTTTTTCT CTTTGGCTGT TTTCTCTCAC
 124 ATTGCTTCT CTAAAGCTAC AGTCTCTCCT TTCTTTTCTT GTCCCTCCCT GGTGTTGGTAT
 184 GTGACCTAGA ATTACAGTCA GATTTTCAGAA AATGATTCTC TCATTTTGCT GATAAGGACT
 244 GATTGTTTT ACTGAGGGAC GGCAGAACTA GTTTCCTATG AGGGCATGGG TGAATACAAC
 304 TGAGGCTTCT CATGGGAGGG AATCTCTACT ATCCAAAATT ATTAGGAGAA AATTGAAAAT
 364 TTCCAACCTC GTCTCTCTCT TACCTCTGTG TAAGGCAAAT ACCTTATTCT TGTGGTGTGTT
 424 TTGTAACCTC TTCAAACCTT CATTGATTGA ATGCCTGTTT TGGCAATACA TTAGGTTGGG
 484 CACATAAGGA ATACCAACAT AAATAAAACA TTCTAAAAGA AGTTTACGAT CTAATAAAGG
 544 AGACAGGTAC ATAGCAAACCT AATTCAAAGG AGCTAGAAGA TGGAGAAAAT GCTGAATGTG
 604 GACTAAGTCA TTCAACAAAG TTTTCAGGAA GCACAAAGAG GAGGGGCTCC CCTCACAGAT
 664 ATCTGGATTA GAGGCTGGCT GAGCTGATGG TGGCTGGTGT TCTCTGTTGC AGAAGTCAAG
 724 ATGGCCAAAG TTCCAGACAT GTTTGAAGAC CTGAAGAACT GTTACAGGTA AGGAATAAGA
 784 TTTATCTCTT GTGATTTAAT GAGGGTTTCA AGGCTCACCA GAATCCAGCT AGGCATAACA
 844 GTGGCCAGCA TGGGGGCAGG CCGGCAGAGG TTGTAGAGAT GTGTACTAGT CCTGAAGTCA
 904 GAGCAGGTTT AGAGAAGACC CAGAAAAACT AAGCATTTCAG CATGTTAAAC TGAGATTACA
 964 TTGGCAGGGA GACCGCCATT TTAGAAAAAT TATTTTTGAG GTCTGCTGAG CCCTACATGA
 1024 ATATCAGCAT CAACTTAGAC ACAGCCTCTG TTGAGATCAC ATGCCCTGAT ATAAGAATGG
 1084 GTTTTACTGG TCCATTCTCA GGAAAACTTG ATCTCATTCA GGAACAGGAA ATGGCTCCAC
 1144 AGCAAGCTGG GCATGTGAAC TCACATATGC AGGCAAATCT CACTCAGATG TAGAAGAAAG
 1204 GTAAATGAAC ACAAAGATAA AATTACGGAA CATATTAAAC TAACATGATG TTTCCATTAT
 1264 CTGTAGTAAA TACTAACACA AACTAGGCTG TCAAAATTTT GCCTGGATAT TTTACTAAGT
 1324 ATAAATTATG AAATCTGTTT TAGTGAATAC ATGAAAGTAA TGTGTAACAT ATAATCTATT
 1384 TGGTTAAAT AAAAAGGAAG TGCTTCAAAA CCTTCTTTT CTCTAAAGGA GCTTAACATT
 1444 CTTCCCTGAA CTTCAATTAA AGCTCTTCAA TTTGTTAGCC AAGTCCAATT TTTACAGATA
 1504 AAGCACAGGT AAAGCTCAAA GCCTGTCTTG ATGACTACTA ATTCCAGATT AGTAAGATAT

Fig. 3

1564 GAATTACTCT ACCTATGTGT ATGTGTAGAA GTCCTTAAAT TTCAAAGATG ACAGTAATGG
 1624 CCATGTGTAT GTGTGTGACC CACAACATATC ATGGTCATTA AAGTACATTG GCCAGAGACC
 1684 ACATGAAATA ACAACAATTA CATTCTCATC ATCTTATTTT GACAGTGAAA ATGAAGAAGA
 1744 CAGTTCCTCC ATTGATCATC TGTCTCTGAA TCAGGTAAGC AAATGACTGT AATTCTCATG
 1804 GGACTGCTAT TCTTACACAG TGGTTTCTTC ATCCAAAGAG AACAGCAATG ACTTGAATCT
 1864 TAAATACTTT TGTTTTACCC TCACTAGAGA TCCAGAGACC TGTCTTTCAT TATAAGTGAG
 1924 ACCAGCTGCC TCTCTAAACT AATAGTTGAT GTGCATTGGC TTCTCCCAGA ACAGAGCAGA
 1984 ACTATCCCAA ATCCCTGAGA ACTGGAGTCT CCTGGGGCAG GCTTCATCAG GATGTTAGTT
 2044 ATGCCATCCT GAGAAAGCCC CGCAGGCCGC TTCACCAGGT GTCTGTCTCC TAACGTGATG
 2104 TGTTGTGGTT GTCTTCTCTG ACACCAGCAT CAGAGGTTAG AGAAAGTCTC CAAACATGAA
 2164 GCTGAGAGAG AGGAAGCAAG CCAGCTGAAA GTGAGAAGTC TACAGCCACT CATCAATCTG
 2224 TGTTATTGTG TTTGGAGACC ACAAATAGAC ACTATAAGTA CTGCCTAGTA TGTCTTCAGT
 2284 ACTGGCTTTA AAAGCTGTCC CCAAAGGAGT ATTTCTAAAA TATTTTGAGC ATTGTTAAGC
 2344 AGATTTTAA CCTCCTGAGA GGGAACTAAT TGGAAAGCTA CCACTACTA CAATCATTGT
 2404 TAACCTATTT AGTTACAACA TCTCATTTTT GAGCATGCAA ATAAATGAAA AAGTCTTCCT
 2464 AAAAAATCA TCTTTTTATC CTGGAAGGAG GAAGGAAGGT GAGACAAAAG GGAGAGAGGG
 2524 AGGGAAGCCT AATGAAACAC CAGTTACCTA AGACCAGAAT GGAGATCCTC CTCACTACCT
 2584 CTGTTGAATA CAGCACCTAC TGAAAGAACT TTCATTCCCT GACCATGAAC AGCCTCTCAG
 2644 CTTCTGTTTT CTTTCCTCAC AGAAATCCTT CTATCATGTA AGCTATGGCC CACTCCATGA
 2704 AGGCTGCATG GATCAATCTG TGTCTCTGAG TATCTCTGAA ACCTCTAAAA CATCCAAGCT
 2764 TACCTTCAAG GAGAGCATGG TGGTAGTAGC AACCAACGGG AAGGTTCTGA AGAAGAGACG
 2824 GTTGAGTTTA AGCCAATCCA TCACTGATGA TGACCTGGAG GCCATCGCCA ATGACTCAGA
 2884 GGAAGGTAAG GGGTCAAGCA CAATAATATC TTTCTTTTAC AGTTTTAAGC AAGTAGGGAC
 2944 AGTAGAATTT AGGGGAARAT TAAACGTGGA GTCAGAATAA CAAGAAGACA ACCAAGCATT
 3004 AGTCTGGTAA CTATACAGAG GAAAATTAAT TTTTATCCTT CTCCAGGAGG GAGAAATGAG
 3064 CAGTGGCCTG AATCGAGAAT ACTTGCTCAC AGCCATTATT TCTTAGCCAT ATTGTAAAGG
 3124 TCGTGTGACT TTTAGCCTTT CAGGAGAAAAG CAGTAATAAG ACCACTTACG AGCTATGTTT
 3184 CTCTCATACT AACTATGCCT CCTTGGTCAT GTTACATAAT CTTTTTCGTGA TTCAGTTTCC
 3244 TCTACTGTAA AATGGAGATA ATCAGAATCC CCCACTCATT GGATTGTTGT AAAGATTAAG
 3304 AGTCTCAGGC TTTACAGACT GAGCTAGCTG GGCCCTCCTG ACTGTTATAA AGATTAAATG
 3364 AGTCAACATC CCCTAACTTC TGGACTAGAA TAATGTCTGG TACAAAGTAA GCACCCAATA
 3424 AATGTTAGCT ATTACTATCA TTATTATTAT TATTTTATTT TTTTTTTTTT AGATGGAGTC
 3484 TGGCTCTGTC ACCCAGGCTG GAGTGCAGTG GCACAATCTC GGCTCACTGC AAGCTCTGCC
 3544 TCCTGGGTTT ATGCCATTCT CCTGCCTCAG CCTCCCGAGT AAGCTGGGAA TACAGGCACC
 3604 CGCCACTGTT CCCGGCTAAT TTTTTGTATT TTTAGTAGAG ACGGAGTTTC ACCGTGGTCT
 3664 CCATCTCCTC GTGATCCACC CACCTTGGCC TCCCAAAGTG CCGGGATTAC AGGCGTGAGC
 3724 CACCGCGCCC GGCCTATTAT TATTATTATT ACTACTACTA CTACCTATAT GAATACTACC
 3784 AGCAATACTA ATTTATTAAT GACTGGATTA TGTCTAAACC TCACAAGAAT CCTACCTTCT
 3844 CATTTTACAT AAAAGGAAAC TAAGCTCATT GAGATAGGTA AACTGCCCCA TGGCATACAT
 3904 CTGTAAGTGG GAGAGCCTCA AATCTAATTC AGTTCTACCT GAGTAAAAAA ATCATGGTTT
 3964 CTCCTCCATC CTTTACTGT ACAAGCCTCC ACATGAACTA TAAACCCAAT ATTCCTGTTT
 4024 TTAAGATAAT ACCTAAGCAA TAACGCATGT TCACCTAGAA GGTTTTAAAA TGTAACAAAA
 4084 TATAAGAAAA TAAAAATCAC TCATATCGTC AGTGAGAGTT TACTACTGCC AGCACTATGG
 4144 TATGTTTCTT TAAAATCTTT GCTATACACA TACCTACATG TGAACAAATA TGTCTAACAT
 4204 CAAGACCACA CTATTTACAA CTTTATATCC AGCTTTTCTT ACTTAGCAAT GTATTGAGGA
 4264 CATTTTAGAG TGCCCGTTTT TCACCATTAT AAGCAATGCA ACAATGAACA TCTGTATAAA
 4324 TAAATATTCA TTTCTCTCAC CTTTATTTTC CTTAGAATAT ATTCCTAGAA GTAGAATTTT
 4384 CCAGAGCCAT GAGGATTTGT GACGCTATTG ATATGTGCCA CTTTGCCTC TCTGTGACAT
 4444 ATATAATTAT TTTTAATGCA TTCATTTTTT TCTCAGAGTG CATTCGTTTG AAAACATAGA
 4504 CGGGAAATAC TGGTAGTCTT CCTTGTCAGT TAGAAACACC CAAACAATGA AAAATGAAAA

Fig. 3 (cont.)

4564 AGTTGCACAA ATAGTCTCTA AAAACAATGA AACTATTGCC TGAGGAATTG AAGTTTAAAA
 4624 AGAAGCACAT AAGCAACAAC AAGGATAATC CTAGAAAACC AGTTCTGCTG ACTGGGTGAT
 4684 TTCACCTTCTC TTTGCTTCCT CATCTGGATT GGAATATTCC TAATACCCCC TCCAGAACTA
 4744 TTTTCCCTGT TTGTACTAGA CTGTGTATAT CATCTGTGTT TGTACATAGA CATTAATCTG
 4804 CACTTGTGAT CATGGTTTTA GAAATCATCA AGCCTAGGTC ATCACCTTTT AGCTTCCTGA
 4864 GCAATGTGAA ATACAACCTT ATGAGGATCA TCAAATACGA ATTCATCCTG AATGACGCCC
 4924 TCAATCAAAG TATAATTCTG GCCAATGATC AGTACCTCAC GGCTGCTGCA TTACATAATC
 4984 TGGATGAAGC AGGTACATTA AAATGGCACC AGACATTTCT GTCATCCTCC CCTCCTTTCA
 5044 TTTACTTATT TATTTATTTT AATCTTTCTG CTTGCAAAAA ACATACCTCT TCAGAGTTCT
 5104 GGGTTGCACA ATTCTTCCAG AATAGCTTGA AGCACAGCAC CCCCATAAAA ATCCCAAGCC
 5164 AGGGCAGAAG GTTCAACTAA ATCTGGAAGT TCCACAAGAG AGAAGTTTCC TATCTTTGAG
 5224 AGTAAAGGGT TGTGCACAAA GCTAGCTGAT GTACTACCTC TTTGGTTCTT TCAGACATTC
 5284 TTACCCTCAA TTTTAAAACT GAGGAAACTG TCAGACATAT TAAATGATTT ACTCAGATTT
 5344 ACCCAGAAGC CAATGAAGAA CAATCACTCT CCTTTAAAAA GTCTGTTGAT CAAACTCACA
 5404 AGTAACACCA AACCAGGAAG ATCTTTATTA TCTCTGATAA CATATTTGTG AGGCAAAACC
 5464 TCCAATAAGC TACAAATATG GCTTAAAGGA TGAAGTTTAG TGTCCAAAAA CTTTTATCAC
 5524 ACACATCCAA TTTTCATGGC GGACATGTTT TAGTTTCAAC AGTATACATA TTTTCAAAGG
 5584 TCCAGAGAGG CAATTTTGCA ATAAACAAGC AAGACTTTTT CTGATTGGAT GCACTTCAGC
 5644 TAACATGCTT TCAACTCTAC ATTTACAAAT TATTTTGTGT TCTATTTTTC TACTTAATAT
 5704 TATTTCTGCA ATTTTCCCAA TATTGACATC GTGTATGTAT TTGCCATTTT TAATATCACT
 5764 AGACAATTCA ATCAGGTTGC TACGTTGGTC CCTTGGGTTT ACTCTAAATA GCTTGATTGC
 5824 AAATATCTTT GTATATATTA TTGTTTTTTC TCCTATCTTG TAATTTCTTT GAGCACATCC
 5884 CAAAGAGGAA TGCCTAGATC AATGGGCACA AATAATTTGA CAGCTCTTAT TAAACATTAT
 5944 TCTGTAAGTA AAAACTGAAC TACTTTTCAG TATCACTAGC AACATATGAG TGTATCAGCT
 6004 TCCTAAACCC CTCCATGTTA GGTCATTATG AACTTATGAT CTAACAAATT ACAGGGTCTT
 6064 ATCCCCTAA TGAAATTATA AGAGATTCAA CACTTATTCA GCGCCGAAGG ATTCATTCAA
 6124 CGTAGAAAAT TCTAAGAACA TTAACCAAGT ATTTACCTGC CTAGTGAGTG TGGAAGACAT
 6184 TGTGAAGGAC ACAAAGATGT ATAGAATTCC ATTCCTGACT TCCAGGTATT TACACCATAG
 6244 GTGGGGACCT AACTACACAC ACACACACAC ACACACACAC ACCATGCACA
 6304 CACAATCTAC ATCAACACTT GATTTTATAC AAATACAATG AATTTACTTT CTTTTTGGTT
 6364 CTTCTCTTCA CCAGTGAAT TTGACATGGG TGCTTATAAG TCATCAAAGG ATGATGCTAA
 6424 AATTACCGTG ATTCTAAGAA TCTCAAAAAC TCAATTGTAT GTGACTGCCC AAGATGAAGA
 6484 CCAACCAGTG CTGCTGAAGG TCAGTTGTCC TTTGTCTCCA ACTTACCTTC ATTTACATCT
 6544 CATATGTTTG TAAATAAGCC CAATAGGCAG ACACCTCTAA CAAGGTGACA CTGTCTCTT
 6604 TCCTTCCTAC CACAGCCCCC ACCTACCCAC CCCACTCCCA TTGATTCCAG AGGCGTGCCT
 6664 AGGCAGGATC TATGAGAKAA TATAACAGAG AGTAAGAGGA AAATTACCTT CTTTCTTTTT
 6724 CCTTTCCTG CCTGACCTTA TTCACCTCCC ATCCCAGAGC ATCCATTTAT TCCATTGATC
 6784 TTTACTGACA TCTATTATCT GACCTACACA ATACTAGACA TTAGGACAAT GTGGCCTGCC
 6844 TCCAAGAAAC TCAAATAAGC CAACTGAGAT CAGAGAGGAT TAATCACCTG CCAATGGGCA
 6904 CAAAGCAACA AGCTGGGAGC CAAGTCCCAA AATGGGGCCT GCTGCTTCCA GTTCCCCTCT
 6964 CTCTGCATTG ATGTCAGCAT TATCCTTCGT CCCAGTCCTG TCTCCACTAC CACTTTCCCC
 7024 CTCAAACACA CACACACACA ACAGCCTTAG ATGTTTTCTC CACTGATAAG TAGGTGACTC
 7084 AATTTGTAAG TATATAATCC AAGACCTTCT ATTCCCAAGT AGAATTTATG TGCCTGCCTG
 7144 TGCTTTTCTA CCTGGATCAA GTGATGTCTA CAGAGTAGGG CAGTAGCTTC ATTCATGAAC
 7204 TCATTCAACA AGCATTATTC ACTGAGAGCC TTGTATTTTT CAGGCATAGT GCCAACAGCA
 7264 GTGTGGACAG TGGTGCATCA AAGCCTCTAG TCTCATAGAA CTTAGTCTTC TGGAGGATAT
 7324 GGAAAACAGA CAACCCAAAC AACCAACAAA AGAGCAAGAT GCTGCAAAAA AAAAAAAAT
 7384 GAATAGGGTG CTAAGATAGA GAAAAGTGGG AGAGTGCTAT TTAGACAAAG TGGTAAAAAC
 7444 AAAGCCCCTT GTGAGATGAG AGCTGCCGAC AGAGGGGGCG GGTGATGGTT GTGGGTTTTT
 7504 GGGTAGGACA TTCAGAGGAG GGGGCGGGTC GTGGTTGTGG GTTTTTGGGT AGGACATTCA

Fig. 3 (cont.)

7564 GAGGAGGGGG CGGGTCGTGG TTGTGGGTTT TTGGGTAGGA CATTGAGAGG AGGGGGCGGG
 7624 TCGTGGTTGT GGGTTTTTGG GTAGGACATT CAGAGGAGGG GGCGGGTCGT GGTGTGGGT
 7684 TTTTGGGACA TTCAGAGGAG TCTGAATGCA CCCAGGCCTA CAACTTCAAG ATGGTAAAGG
 7744 ACAGCTCCAA GGATCAGAAG AAGCATTCTT GGAAGTGGGG CATTGAGAGG AGGAGGAAAA
 7804 ATATGCAGAG ACTAGTGCTT GCAGAGCTTG CATTGAGATT TCATTGAGG TACAATGAAA
 7864 ACCCATTAAT GGGTTTCACA CAGTGCAATG GCCTGACCTC ACTTATATTT CCTAAAAATAG
 7924 AAAACAGATC AGAAGGAAGG CAATAGAGAA GCAGAAAAGT CAATGAGGAG GTTTCACAGC
 7984 AGTCATGGGG GTGGGGTAAG GAAAAGAAGT GGAAGAAAAC AGACAGAATT GGGTTATATT
 8044 TTGGAGATAG AACCAACAGA AGGAAGAGGA GAAACAACAT TTAGTGAGAA GGGAAAAAGT
 8104 AGGAGAGGAA TAGGTTTGGG AAATAAATCC TGCTGACATT GGAAACCCCA AGGAAGCCTC
 8164 AAAAGTATAT TTAGTTGCTT TAGATTTAAA AGAATAGGAA AGAAGCATCT CAACTTGGAA
 8224 TTTGAAATCT ATTTTTCAT AAAAGTATTG TTAAATTCTA CTCATACTCA CAAGAAAAAGT
 8284 ACATTCTAAA GAGTATATTG AAAGAGTTTA CTGATATACT TAGGAATTTT GTGTGTATGT
 8344 GTGTGTGTGT ATGTGTGTGT GTGTGTTTAA CCTTCAATTG TTGACTTAAA TACTGAGATA
 8404 AATGTCATCT AAATGCTAAA TTGATTTCCC AAAGGTATGA TTTGTTCACT TGGAGATCAA
 8464 AATGTTTAGG GGGCTTAGAA TCACTGTAGT GCTCAGATTG GATGCAAAAT GTCTTAGGCC
 8524 TATGTTGAAG GCAGGACAGA AACAATGTTT CCCTCCTACC TGCCTGGATA CAGTAAGATA
 8584 CTAGTGTCAC TGACAATCTT CATAACTAAT TTAGATCTCT CTCCAATCAA CTAAGGAAAT
 8644 CAACTCTTAT TAATAGACTG GGCCACACAT CTACTAGGCA TGTAATAAAT GCTTGCTGAA
 8704 TGAACAAATG AATGAAGAGC CTATAGCATC ATGTTACAGC CATAGTCCTA AAGTGGTGT
 8764 TCTCATGAAG GCCAAATGCT AAGGGATTGA GCTTCAGTCC TTTTCTAAC ATCTTGTCT
 8824 CTAACAGAA TCTCTTCTTT TCTTCATAGG AGATGCCTGA GATACCCAAA ACCATCACAG
 8884 GTAGTGAGAC CAACCTCCTC TTCTTCTGGG AAACCTCACGG CACTAAGAAC TATTTACAT
 8944 CAGTTGCCCA TCCAACTTG TTTATTGCCA CAAAGCAAGA CTACTGGGTG TGCTTGGCAG
 9004 GGGGGCCACC CTCTATCACT GACTTTCAGA TACTGGAAAA CCAGGCGTAG GTCTGGAGTC
 9064 TCACTTGTCT CACTTGTGCA GTGTTGACAG TTCATATGTA CCATGTACAT GAAGAAGCTA
 9124 AATCCTTTAC TGTTAGTCAT TTGCTGAGCA TGTACTGAGC CTTGTAATTC TAAATGAATG
 9184 TTTACTCTCT TTGTAAGAGT GGAACCAACA CTAACATATA ATGTTGTTAT TTAAGAACA
 9244 CCCTATATTT TGCATAGTAC CAATCATTTT AATTATTATT CTTTATAACA ATTTTAGGAG
 9304 GACCAGAGCT ACTGACTATG GCTACCAAAA AGACTCTACC CATATTACAG ATGGGCAAAAT
 9364 TAAGGCATAA GAAAACTAAG AAATATGCAC AATAGCAGTT GAAACAAGAA GCCACAGACC
 9424 TAGGATTTCA TGATTTTCATT TCAACTGTTT GCCTTCTGCT TTTAAGTTGC TGATGAACTC
 9484 TTAATCAAAAT AGCATAAGTT TCTGGGACCT CAGTTTTATC ATTTTCAAAA TGGAGGGAAT
 9544 AATACCTAAG CCTTCTGCC GCAACAGTTT TTTATGCTAA TCAGGGAGGT CATTTTGGTA
 9604 AAATACTTCT CGAAGCCGAG CCTCAAGATG AAGGCAAGC ACGAAATGTT ATTTTAAAT
 9664 TATTATTTAT ATATGTATTT ATAAATATAT TTAAGATAAT TATAATATAC TATATTTATG
 9724 GGAACCCCTT CATCCTCTGA GTGTGACCAG GCATCCTCCA CAATAGCAGA CAGTGTCTTC
 9784 TGGGATAAGT AAGTTTGATT TCATTAATAC AGGGCATTTT GGTCCAAGTT GTGCTTATCC
 9844 CATAGCCAGG AAACCTCTGCA TTCTAGTACT TGGGAGACCT GTAATCATAT AATAAATGTA
 9904 CATTAATTAC CTTGAGCCAG TAATTGGTCC GATCTTTGAC TCTTTTGCCA TTAACTTAC
 9964 CTGGGCATTC TTGTTTCATT CAATTCACCC TGCAATCAAG TCCTACAAGC TAAAATTAGA
 10024 TGAACCAAC TTTGACAACC ATGAGACCAC TGTTATCAAA ACTTTCTTTT CTGGAATGTA
 10084 ATCAATGTTT CTTCTAGGTT CTAAAAATTG TGATCAGACC ATAATGTTAC ATTATTATCA
 10144 ACAATAGTGA TTGATAGAGT GTTATCAGTC ATAATAAAT AAAGCTTGCA ACAAATTCT
 10204 CTGACACATA GTTATTCATT GCCTTAATCA TTATTTTACT GCATGGTAAT TAGGGACAAA
 10264 TGGTAAATGT TTACATAAAT AATTGTATTT AGTGTTACTT TATAAATCA AACCAAGATT
 10324 TTATATTTTT TTCTCTCTT TGTTAGCTGC CAGTATGCAT AAATGGCATT AAGAATGATA
 10384 ATATTTCCGG GTTCACTTAA AGCTCATATT ACACATACAC AAAACATGTG TTCCCATCTT
 10444 TATACAACT CACACATACA GAGCTACATT AAAACAACCT AATAGGCCAG GCACGGTGGC
 10504 TCAGACCTGT AATCCCAGCA CTTTGGGAGG

Fig. 3 (cont.)

-1933 AGAAAAGAAAG AGAGAGAGAA AGAAAAGAAA GAGGAAGGAA GGAAGGAAGG AAGAAAGACA
 -1873 GGCTCTGAGG AAGGTGGCAG TTCCTACAAC GGGAGAACCA GTGGTTAATT TGCAAAGTGG
 -1813 ATCCTGTGGA GGCANNCAGA GGAGTCCCCT AGGCCACCCA GACAGGGCTT TTAGCTATCT
 -1753 GCAGGCCAGA CACCAAATTT CAGGAGGGCT CAGTGTTAGG AATGGATTAT GGCTTATCAA
 -1693 ATTCACAGGA AACTAACATG TTGAACAGCT TTTAGATTTT CTGTGGAAAA TATAACTTAC
 -1633 TAAAGATGGA GTTCTTGTGA CTGACTCCTG ATATCAAGAT ACTGGGAGCC AAATTAAGAA
 -1573 TCAGAAGGCT GCTTGGAGAG CAAGTCCATG AAATGCTCTT TTTCCACAG TAGAACCTAT
 -1513 TTCCCTCGTG TCTCAAATAC TTGCACAGAG GCTCACTCCC TTGGATAATG CAGAGCGAGC
 -1453 ACGATACCTG GCACATACTA ATTTGAATAA AATGCTGTCA AATTTCCATT CACCCATTCA
 -1393 AGCAGCAAAC TCTATCTCAC CTGAATGTAC ATGCCAGGCA CTGTGCTAGA CTTGGCTCAA
 -1333 AAAGATTTCA GTTTCCTGGA GGAACCAGGA GGGCAAGGTT TCAACTCAGT GCTATAAGAA
 -1273 GTGTTACAGG CTGGACACGG TGGCTCACGC CTGTAATCCC AACATTTGGG AGGCCGAGGC
 -1213 GGGCAGATCA CAAGGTCAGG AGATCGAGAC CATCCTGGCT AACATGGTGA AACCCTGTCT
 -1153 CTACTAAAAA TACAAAAAAT TAGCCGGGCG TTGGCGGCAG GTGCCTGTAG TCCCAGCTGC
 -1093 TGGGGAGGCT GAGGCAGGAG AATGGTGTGA ACCCGGGAGG CGGAACTTGC AGGGGGCCGA
 -1033 GATCGTGCCA CTGCACTCCA GCCTGGGCGA CAGAGTGAGA CTCTGTCTCA AAAAAAAAAA
 -973 AAAAGTGTTA TGATGCAGAC CTGTCAAAGA GGCAAAGGAG GGTGTTCCCTA CACTCCAGGC
 -913 ACTGTTTATA ACCTGGACTC TCATTCAATC TACAAATGGA GGGCTCCCCT GGGCAGATCC
 -853 CTGGAGCAGG CACTTTGCTG GTGTCTCGGT TAAAGAGAAA CTGATAACTC TTGGTATTAC
 -793 CAAGAGATAG AGTCTCAGAT GGATAATTCT ACAGAAACAA TATTTCCACT TTTAGAGTT
 -733 CACCAAAAAA TCATTTTAGG CAGAGCTCAT CTGGCATTGA TCTGGTTCAT CCATGAGATT
 -673 GGCTAGGGTA ACAGCACCTG GTCTTGCAAG GTTGTGTGAG CTTATCTCCA GGGTTGCCCC
 -613 AACTCCGTCA GGAGCCTGAA CCCTGCATAC CGTATGTTCT CTGCCCCAGC CAAGAAAGGT
 -553 CAATTTTCTC CTCAGAGGCT CCTGCAATTG ACAGAGAGCT CCCGAGGCAG AGAACAGCAC
 -493 CCAAGGTAGA GACCCACACC CTCAATACAG ACAGGGAGGG CTATTGGCCC TTCATTGTAC
 -433 CCATTTATCC ATCTGTAAGT GGAAGATTCT CTAACCTTAA GTACAAAGAA GTGAATGAAG
 -373 AAAAGTATGT GCATGTATAA ATCTGTGTGT CTTCCACTTT GTCCACATA TACTAAATTT
 -313 AAACATTCTT CTAACGTGGG AAAATCCAGT ATTTTAATGT GGACATCAAC TGCACAACGA
 -253 TTGTCAGGAA AACAAATGCAT ATTTGCATGG TGATACATTT GCAAAATGTG TCATAGTTTG
 -193 CTACTCCTTG CCCTTCCATG AACCAGAGAA TTATCTCAGT TTATTAGTCC CCTCCCCTAA
 -133 GAAGCTTCCA CCAATACTCT TTTCCCCTTT CCTTTAACTT GATTGTGAAA TCAGGTATTCT
 -73 AACAGAGAAA TTTCTCAGCC TCCTACTTCT GCTTTTGAAA GCTATAAAAA CAGCGAGGGA
 -13 GAACTGGCA GATACCAAAC CTCTTCGAGG CACAAGGCAC AACAGGCTGC TCTGGGATTC
 48 TCTTCAGCCA ATCTTCATTG CTCAAGTATG ACTTTAATCT TCCTTACAAC TAGGTGCTAA
 108 GGGAGTCTCT CTGTCTCTCT GCCTCTTTGT GTGTATGCAT ATTCTCTCTC TCTCTCTCTT
 168 TCTTTCTCTG TCTCTCCTCT CCTTCCTCTC TGCCTCCTCT CTCAGCTTTT TGCAAAAATG
 228 CCAGGTGTAA TATAATGCTT ATGACTCGGG AAATATTCTG GGAATGGATA CTGCTTATCT
 288 AACAGCTGAC ACCCTAAAGG TTAGTGTCAA AGCCTCTGCT CCAGCTCTCC TAGCCAATAC
 238 ATTGCTAGTT GGGGTTTGGT TTAGCAAATG CTTTTCTCTA GACCCAAAGG ACTTCTCTTT
 308 CACACATTCA TTCATTTACT CAGAGATCAT TTCTTTGCAT GACTGCCATG CACTGGATGC
 468 TGAGAGAAAT CACACATGAA CGTAGCCGTC ATGGGGAAGT CACTCATTTT CTCCTTTTTA
 528 CACAGGTGTC TGAAGCAGCC ATGGCAGAAG TACCTGAGCT CGCCAGTGAA ATGATGGCTT
 588 ATTACAGGTC AGTGGAGACG CTGAGACCAG TAACATGAGC AGGTCTCCTC TTTCAAGAGT
 648 AGAGTGTTAT CTGTGCTTGG AGACCAGATT TTTCCCCTAA ATTGCCTCTT TCAGTGGCAA
 708 ACAGGGTGCC AAGTAAATCT GATTTAAAGA CTACTTTCCC ATTACAAGTC CCTCCAGCCT
 768 TGGGACCTGG AGGCTATCCA GATGTGTTGT TGCAAGGGCT TCCTGCAGAG GCAAATGGGG
 828 AGAAAAGATT CCAAGCCAC AATACAAGGA ATCCCTTTGC AAAGTGTGGC TTGGAGGGAG
 888 AGGGAGAGCT CAGATTTTAG CTGACTCTGC TGGGCTAGAG GTTAGGCCCTC AAGATCCAAC
 948 AGGGAGCACC AGGGTGCCCA CCTGCCAGGC CTAGAATCTG CCTTCTGGAC TGTTCTGCGC

Fig. 4

1008 ATATCACTGT GAAACTTGCC AGGTGTTTCA GGCAGCTTTG AGAGGCAGGC TGTTCGAGT
 1068 TTCTTATGAA CAGTCAAGTC TTGTACACAG GGAAGGAAAA ATAAACCTGT TTAGAAGACA
 1128 TAATTGAGAC ATGTCCCTGT TTTTATTACA GTGGCAATGA GGATGACTTG TTCTTTGAAG
 1188 CTGATGGCCC TAAACAGATG AAGGTAAGAC TATGGGTTTA ACTCCCAACC CAAGGAAGGG
 1248 CTCTAACACA GGGAAAGCTC AAAGAAGGGA GTTCTGGGCC ACTTTGATGC CATGGTATTT
 1308 TGTTTTAGAA AGACTTTAAC CTCTTCCAGT GAGACACAGG CTGCACCACT TGCTGACCTG
 1368 GCCACTTGGT CATCATATCA CCACAGTCAC TCACTAACGT TGGTGGTGGT GGCCACACTT
 1428 GGTGGTGACA GGGGAGGAGT AGTGATAATG TTCCCATTTT ATAGTAGGAA GACAACCAAG
 1488 TCTTCAACAT AAATTTGATT ATCCTTTTAA GAGATGGATT CAGCCTATGC CAATCACTTG
 1548 AGTTAAACTC TGAAACCAAG AGATGATCTT GAGAACTAAC ATATGTCTAC CCCTTTTGAG
 1608 TAGAATAGTT TTTTGCTACC TGGGGTGAAG CTTATAACAA CAAGACATAG ATGATATAAA
 1668 CAAAAAGATG AATTGAGACT TGAAAGAAAA CCATTCACTT GCTGTTTGAC CTTGACAAGT
 1728 CATTTTACCC GCTTTGGACC TCATCTGAAA AATAAAGGGC TGAGCTGGAT GATCTCTGAG
 1788 ATTCCAGCAT CCTGCAACCT CCAGTTCTGA AATATTTTCA GTTGTAGCTA AGGGCATTG
 1848 GGCAGCAAAT GGTCAATTTT CAGACTCATC CTTACAAAGA GCCATGTTAT ATTCTGCTG
 1908 TCCCTTCTGT TTTATATGAT GCTCAGTAGC CTTCTAGGT GCCCAGCCAT CAGCCTAGCT
 1968 AGGTCAGTTG TGCAGGTTGG AGGCAGCCAC TTTTCTCTGG CTTTATTTTA TTCCAGTTTG
 2028 TGATAGCCTC CCCTAGCCTC ATAATCCAGT CCTCAATCTT GTTAAAAACA TATTTCTTTA
 2088 GAAGTTTTAA GACTGGCATA ACTTCTTGGC TGCAGCTGTG GGAGGAGCCC ATTGGCTTGT
 2148 CTGCCTGGCC TTTGCCCCC ATTGCCTCTT CCAGCAGCTT GGCTCTGCTC CAGGCAGGAA
 2208 ATTCTCTCCT GCTCAACTTT CTTTGTGCA CTTACAGGTC TCTTTAACTG TCTTTCAAGC
 2268 CTTTGAACCA TTATCAGCCT TAAGGCAACC TCAGTGAAGC CTTAATACGG AGCTTCTCTG
 2328 AATAAGAGGA AAGTGGTAAC ATTTACAAA AAGTACTCTC ACAGGATTTG CAGAATGCCT
 2388 ATGAGACAGT GTTATGAAAA AGGAAAAAAA AGAACAGTGT AGAAAAATTG AATACTTGCT
 2448 GAGTGAGCAT AGGTGAATGG AAAATGTTAT GGTCACTGCTC ATGAAAAAGC AAATCATAGT
 2508 GTGACAGCAT TAGGGATACA AAAAGATATA GAGAAGGTAT ACATGTATGG TGTAGGTGGG
 2568 GCATGTACAA AAAGATGACA AGTAGAATCG GGATTTATTC TAAAGAATAG CCTGTAAGGT
 2628 GTCCAGAAGC CACATTCTAG TCTTGAGTCT GCCTCTACCT GCTGTGTGCC CTTGAGTACA
 2688 CCCTTAACCT CTTGAGCTT CAGAGAGGGA TAATCTTTTT ATTTTATTTT ATTTTATTTT
 2748 GTTTTGTTTT GTTTTGTTTT GTTTTATGAG ACAGAGTCTC ACTCTGTTGC CCAGGCTGGA
 2808 GTGCAGTGGT ACAATCTTGG CTTACTGCAT CCTCCACCTC CTGAGTTCAA GCGATTCTCC
 2868 TTCCTCAGTC TCCTGAATAG CTAGGATTAC AGGTGCACCC CACCACACCC AGCTAATTTT
 2928 TGTATTTTTA GTAGAGAAGG GGTTTCGCCA TGTTGGCCAG GCTGGTTTTG AAGTCCTGAC
 2988 CTAAATGATT CATCCACCTC GGCTTCCCAA AGTGCTGGGA TTACAGGCAT GAGCCACCAC
 3048 GCCTGGCCCA GAGAGGGATG ATCTTTAGAA GCTCGGGATT CTTTCAAGCC CTTTCTCTCT
 3108 CTCTGAGCTT TCTACTCTCT GATGTCAAAG CATGGTTTCT GGCAGGACCA CCTCACCAGG
 3168 CTCCCTCCCT CGCTCTCTCC GCAGTGCTCC TTCCAGGACC TGGACCTCTG CCTCTGCAT
 3228 GGCGGCATCC AGCTACGAAT CTCCGACCAC CACTACAGCA AGGGCTTCAG GCAGGCCGCG
 3288 TCAGTTGTTG TGGCCATGGA CAAGCTGAGG AAGATGCTGG TTCCCTGCCC ACAGACCTTC
 3348 CAGGAGAATG ACCTGAGCAC CTTCTTTCCC TTCATCTTTG AAGAAGGTAG TTAGCCAAGA
 3408 GCAGGCAGTA GATCTCCACT TGTGTCTCTT TGGAAGTCAT CAAGCCCCAG CCAACTCAAT
 3468 TCCCCAGAG CCAAAGCCCT TTAAAGGTAG AAGGCCCAGC GGGGAGACAA AACAAAGAAG
 3528 GCTGGAAACC AAAGCAATCA TCTCTTTAGT GGAAACTATT CTTAAAGAAG ATCTTGATGG
 3588 CTA CTGACAT TTGCAACTCC CTCACTCTTT CTCAGGGGCC TTTCACTTAC ATTGTCACCA
 3648 GAGGTTTCGTA ACCTCCCTGT GGGCTAGTGT TATGACCATC ACCATTTTAC CTAAGTAGCT
 3708 CTGTTGCTCG GCCACAGTGA GCAGTAATAG ACCTGAAGCT GGAACCCATG TCTAATAGTG
 3768 TCAGGTCCAG TGTTCTTAGC CACCCCACTC CCAGCTTCAT CCCTACTGGT GTTGTCTATCA
 3828 GACTTTGACC GTATATGCTC AGGTGTCCTC CAAGAAATCA AATTTTGCCA CCTCGCCTCA
 3888 CGAGGCCTGC CTTTCTGATT TTATACCTAA ACAACATGTG CTCCACATTT CAGAACCTAT
 3948 CTTCTTCGAC ACATGGGATA ACGAGGCTTA TGTGCACGAT GCACCTGTAC GATCACTGAA

Fig. 4 (cont.)

4008 CTGCACGCTC CGGGACTCAC AGCAAAAAAG CTTGGTGATG TCTGGTCCAT ATGAACTGAA
 4068 AGCTCTCCAC CTCCAGGGAC AGGATATGGA GCAACAAGGT AAATGGAAAC ATCCTGGTTT
 4128 CCCTGCCTGG CCTCCTGGCA GCTTGCTAAT TCTCCATGTT TTAAACAAAG TAGAAAGTTA
 4188 ATTTAAGGCA AATGATCAAC ACAAGTGAAA AAAAATATTA AAAAGGAATA TACAACTTT
 4248 GGTCCTAGAA ATGGCACATT TGATTGCACT GGCCAGTGCA TTTGTTAACA GGAGTGTGAC
 4308 CCTGAGAAAT TAGACGGCTC AAGCACTCCC AGGACCATGT CCACCCAAGT CTCTTGGGCA
 4368 TAGTGCACTG TCAATTCTTC CACAATATGG GGTCATTTGA TGGACATGGC CTAAGTGCCT
 4428 GTGGGTCTC TCTTCCTGTT GTTGAGGCTG AAACAAGAGT GCTGGAGCGA TAATGTGTCC
 4488 ATCCCCCTCC CCAGTCTTCC CCCCTTGCCC CAACATCCGT CCCACCCAAT GCCAGGTGGT
 4548 TCCTTGTAAG GAAATTTTAC CGCCCAGCAG GAACTTATAT CTCTCCGCTG TAACGGGCAA
 4608 AAGTTTCAAG TGCGGTGAAC CCATCATTAG CTGTGGTGAT CTGCCTGGCA TCGTGCCACA
 4668 GTAGCCAAAG CCTCTGCACA GGAGTGTGGG CAACTAAGGC TGCTGACTTT GAAGGACAGC
 4728 CTCCTCAGG GGGAAGCTAT TTGCTCTCAG CCAGGCCAAG AAAATCCTGT TTCTTTGGAA
 4788 TCGGGTAGTA AGAGTGATCC CAGGGCCTCC AATTGACACT GCTGTGACTG AGGAAGATCA
 4848 AAATGAGTGT CTCTCTTTGG AGCCACTTTC CCAGCTCAGC CTCTCCTCTC CCAGTTTCTT
 4908 CCCATGGGCT ACTCTCTGTT CCTGAAACAG TTCTGGTGCC TGATTTCTGG CAGAAGTACA
 4968 GCTTCACCTC TTTCCTTTCC TTCCACATTG ATCAAGTTGT TCCGCTCCTG TGGATGGGCA
 5028 CATTGCCAGC CAGTGACACA ATGGCTTCCT TCCTTCCTTC CTTCAGCATT TAAATGTAG
 5088 ACCCTCTTTC ATTCTCCGTT CCTACTGCTA TGAGGCTCTG AGAAACCTC AGGCCCTTGA
 5148 GGGGAAACCC TAAATCAACA AAATGACCCT GCTATTGTCT GTGAGAAGTC AAGTTATCCT
 5208 GTGTCTTAGG CCAAGGAACC TCACTGTGGG TTCCCACAGA GGCTACCAAT TACATGTATC
 5268 CTAATCTCGG GGCTAGGGGT TGGGGTGACC CTGCATGCTG TGTCCCTAAC CACAAGACCC
 5328 CCTTCTTCT TCAGTGGTGT TCTCCATGTC CTTTGTACAA GGAGAAGAAA GTAATGACAA
 5388 AATACCTGTG GCCTTGGGCC TCAAGGAAAA GAATCTGTAC CTGTCTGCG TGTGAAAGA
 5448 TGATAAGCCC ACTCTACAGC TGGAGGTAAG TGAATGCTAT GGAATGAAGC CTTCTCAGC
 5508 CTCCTGCTAC CACTTATTCC CAGACAATTC ACCTTCTCCC CGCCCCATC CTTAGGAAAA
 5568 GCTGGGAACA GGTCTATTG ACAAGTTTTG CATTAATGTA AATAAATTTA ACATAATTTT
 5628 TAACTGCGTG CAACCTTCAA TCCTGCTGCA GAAAATTTAA TCATTTTGCC GATGTTATTA
 5688 TGTCCTACCA TAGTTACAAC CCCAACAGAT TATATATTGT TAGGGCTGCT CTCATTTGAT
 5748 AGACACCTTG GGAAATAGAT GACTTAAAGG GTCCCATTAT CACGTCCACT CCACTCCCAA
 5808 AATCACCACC ACTATCACCT CCAGCTTCT CAGCAAAAGC TTCATTTCCA AGTTGATGTC
 5868 ATTCTAGGAC CATAAGGAAA AATACAATAA AAAGCCCCTG GAAACTAGGT ACTTCAAGAA
 5928 GCTCTAGCTT AATTTTCACC CCCCCAAAAA AAAAAATTC TCACCTACAT TATGCTCCTC
 5988 AGCATTTGGC ACTAAGTTT AGAAAAGAA AAGGGCTCTT TTAATAATCA CACAGAAAGT
 6048 TGGGGGCCCA GTTACAATC AGGAGTCTGG CTCCTGATCA TGTGACCTGC TCGTCAGTTT
 6108 CCTTCTGGC CAACCCAAAG AACATCTTTC CCATAGGCAT CTTTGTCCCT TGCCCCACAA
 6168 AAATTCTTCT TTCTCTTTCG CTGCAGAGTG TAGATCCCAA AAATTACCCA AAGAAGAAGA
 6228 TGGAAAAGCG ATTTGTCTTC AACAGATAG AAATCAATAA CAAGCTGGAA TTTGAGTCTG
 6288 CCCAGTTCCC CAACTGGTAC ATCAGCACCT CTCAAGCAGA AAACATGCCC GTCTTCCTGG
 6348 GAGGGACCAA AGGCGGCCAG GATATAACTG ACTTCACCAT GCAATTTGTG TCTTCCTAAA
 6408 GAGAGCTGTA CCCAGAGAGT CCTGTGCTGA ATGTGGACTC AATCCCTAGG GCTGGCAGAA
 6468 AGGGAACAGA AAGGTTTTTG AGTACGGCTA TAGCCTGGAC TTTCTGTGTT TCTACACCAA
 6528 TGCCCAACTG CCTGCCTTAG GGTAGTGCTA AGAGGATCTC CTGTCCATCA GCCAGGACAG
 6588 TCAGCTCTCT CCTTTCAGGG CCAATCCCCA GCCCTTTTGT TGAGCCAGGC CTCTCTCACC
 6648 TCTCTACTC ACTTAAAGCC CGCCTGACAG AAACCACGGC CACATTTGGT TCTAAGAAAC
 6708 CCTCTGTCAT TCGCTCCAC ATTCTGATGA GCAACCGCT CCCTATTTAT TTATTTATTT
 6768 GTTTGTTTGT TTTGATTCAT TGGTCTAATT TATTCAAAGG GGGCAAGAAG TAGCAGTGTC
 6828 TGTAAGAGAG CCTAGTTTTT AATAGCTATG GAATCAATTC AATTTGGAAT GGTGTGCTCT
 6888 CTTTAAATCA AGTCCTTTAA TTAAGACTGA AAATATATAA GCTCAGATTA TTTAAATGGG
 6948 AATATTTATA AATGAGCAAA TATCATACTG TTCAATGGTT CTGAAATAAA CTTCACTGAA

Fig. 4 (cont.)

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7008 GAAAAAAAAA AAAGGGTCTC TCCTGATCAT TGA CTGTCTG GATTGACACT GACAGTAAGC
7068 AAACAGGCTG TGAGAGTTCT TGGGACTAAG CCCACTCCTC ATTGCTGAGT GCTGCAAGTA
7128 CCTAGAAATA TCCTTGGCCA CCGAAGACTA TCCTCCTCAC CCATCCCCTT TATTTGCTTG
7188 TTCAACAGAA GGATATTCAG TGCACATCTG GAACAGGATC AGCTGAAGCA CTGCAGGGAG
7248 TCAGGACTGG TAGTAACAGC TACCATGATT TATCTATCAA TGCACCAAAC ATCTGTTGAG
7308 CAAGCGCTAT GTACTAGGAG CTGGGAGTAC AGAGATGAGA ACAGTCACAA GTCCCTCCTC
7368 AGATAGGAGA GGCAGCTAGT TATAAGCAGA ACAAGGTAAC ATGACAAGTA GAGTAAGATA
7428 GAAGAACGAA GAGGAGTAGC CAGGAAGGAG GGAGGAGAAC GACATAAGAA TCAAGCCTAA
7488 AGGGATAAAC AGAAGATTTC CACACATGGG CTGGGCCAAT TGGGTGTCGG TTACGCCTGT
7548 AATCCCAGCA CTTTGGGTGG CAGGGGCAGA AAGATCGCTT GAGCCCAGGA GTTCAAGACC
7608 AGCCTGGGCA ACATAGTGAG ACTCCCATCT CTACAAAAAA TAAATAAATA AATAAAACAA
7668 TCAGCCAGGC ATGCTGGCAT GCACCTGTAG TCCTAGCTAC TTGGGAAGCT GACACTGGAG
7728 GATTGCTTGA GCCCAGAAGT TCAAGACTGC AGTGAGCTTA TCCGTTGACC TGCAGGTCGA
7788 C
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Fig. 4 (cont.)

-5988 GTCGACCTGC AGGTCAACGG ATCTGAGAGG AGAGTAGCTT CTTGTAGATA ACAGTTGGAT
 -5928 TATATAACCAT GTCCTGATCC CCTTCATCAT CCAGGAGAGC AGAGGTGGTC ACCCTGATAG
 -5868 CAGCAAGCCT GGGGGCTGCA GCTTGGTGGG TAGAGGTACT CAGGGGTACA GATGTCTCCA
 -5808 AACCTGTCTT GCTGCCTTAG GGAGCTTCTA ATAAGTTGAT GGATTGGTT AAAATTAACT
 -5748 TGGCTACTTG GCAGGACTGG GTCAGTGAGG ACCAACAAAA AGAAGACATC AGATTATACC
 -5688 CTGGGGGTTT GTATTTCTTG TGTTCCTTC TCTTCTTTGT ACTAAAATAT TTACCCATGA
 -5628 CTGGGAAAGA GCAACTGGAG TCTTTGTAGC ATTATCTTAG CAAAAATTTA CAAAGTTTGG
 -5568 AAAACAATAT TGCCCATATT GTGTGGTGTG TCCTGTGACA CTCAGGATTC AAGTGTGGC
 -5508 CGAAGCCACT AAATGTGAGA TGAAGCCATT ACAAGGCAGT GTGCACATCT GTCCACCCAA
 -5448 GCTGGATGCC AACATTTTAC AAATAGTGCT TGCGTGACAC AAATGCAGTT CCAGGAGGCC
 -5388 CAAATGAAAA TGTTTGTACT GAAATTTGTT AAAGCTTCCC GACAACTAG ATTTATCAGT
 -5328 AAGGATTGTT TTCTGCAAGG GGGATGAAAC TTGTGGGGTG AGCCATTTGG GCTGAGGAGG
 -5268 AGGGAGGTTG GAGCTGAGAA ATGTGGAGAC AATTTCCCTT TAGAAGGACT GAATCTCCCT
 -5208 GCCTCTCTGG GGTGCGGCAG CCAGCAGGAT CCAATGGTGT ATATGCTCTC CCAGCTCCCC
 -5148 ATTCAGTGAT ATCATGTCAG TAGCTTGAAA TTATCCGTGG TGGGAGTATT ATGTCATGGA
 -5088 AATTGGCAAA TGGAAACTTT TATTGGAGAT TCAATTGTTA AACTTTTACC AGCACAACAC
 -5028 TGCCCTGCCT TCAGAGTCAA TGACCCTATC CAAGTTTAAT CCATCTGTCC ACTGTCTCCA
 -4968 ACACGATCTT TATAAAACAC ACCTGACAAC ATTACCCTTT TATTCAGTTT TTAAAAAGAT
 -4908 AAGTTTCCAG CTCATCGGGG TGGCTTTAAA GGCCATTTCT CCTCTGGACC TCACCCAACT
 -4848 TTTCAAATCA CTTTTCTTAC CCCTACCTCT AAATGCTACT CAACTCCAG CCATCCTGAA
 -4788 TAATAAGACT TTTGAAAAAGT AGATTATGGG CTGGGCACAG TGGCTCACAC CTGTAATCCC
 -4728 AGCACTTTGG GAGGCCAAGA TGGGTGATC ACCTGAGGTC GGGAGTTCGA GACCAGCCTG
 -4668 ACTAACATAG TGAAACCCTG TCTCTACTAA AAATACAAAA TTAGTTGGGG GTGGTGGCAC
 -4608 AAGCCTGTAA TCCCAGCTAC TCAGGAGGTT GAGGCAGGGG AATTGCTTGA ACCTGGGAGG
 -4548 CGGAGGTTGC GGTGAGCCTA GATTGCTCCA CTGCACTCCA GCCTGGGCAA CAAGAGCGAA
 -4488 ACTCCATCTC AAAAAAATAA ATAAATAAAT AAAGTAGATT ACATCAGATA CCTCTGGCCT
 -4428 AGGTTGTTTA TGACCAACTC TCCTGCTGAG AATAACTAGA AAAGCTAGAC AAAACATATT
 -4368 TCCAAAAGAT CTCTTTGGAG GCATCAGAGA ATGGCCAAGG CTGTAAGGAA CTGCCTGAGC
 -4308 CCAGAGAGGT GGAGCCCAGC ACTGGTGCCC TTTACTCCTG GGGACATGTG CTGGTTTCAA
 -4248 AAACCTCAGC TGAGCTTTTG AGCATTATG GAACTTGGTG GGGGAGATGA AATTTGTACC
 -4188 TTAAATCCTG CCTACAGGGA GGGTCCCTGA TAATCCCCAC CCAATTTGGA AATCTGGGTC
 -4128 AGCCTTCACA GGTACTGAAG CCCTCCTCTG AATGATCTCA AGTCCTGCTA GGGTAGAGGT
 -4068 TACCTGCTTT TGAAAGGCTC CTGGCCTACC TGTGCAGCAG GAGCAAAAGT GAACCATCTC
 -4008 AGGGTACAGA TAACAATCAT CCAGAGCCTT GAATGACCTC TACTGTGCTT AATATATAGT
 -3948 ATTCAGCAGT CAGTAAAAAG GATTTAGGCA CATGCAAGAT GACCTGTGTA TCAGGGAGAA
 -3888 ATAGGCAATA AATTGAGATC CAGCAGGGAT TTGAATCATG GATTTGAATC AGGGGCAGCC
 -3828 TTCGAAAGAA CTATGGAGAA TATACTCAGA TTTAAAAACAT AAGATTGGAA TTTTGGCAG
 -3768 AGAACTAACA ACTGTACAAA AAAGGAACCA AATGGAAATC CTAGAACTGA AAGATGCAAT
 -3708 TAACCGATGT TGAGAAATAG CCAACATCTA TTGAACACTT CCCATGTGGA CAGCTGTGCT
 -3648 AAACACTTTA CAGGCATCAA CATAAGATGT GTCCCCTTAC AGCAGTGCAG TGTCCCTCCT
 -3588 AAGACATGGA CAGCCTGGTT TCCCTATCTC TCTGCTTCAT CAAAACCCTT TTACGTGGGG
 -3528 CTTAGACACT CCTGTTGTCT CTAGTGTCTA GTAGCACAGG GCTCAGCACA TGGGAAGCCAC
 -3468 TAGATACAAT TTGATGACCA GGACCTCCGA TGAAAGCCAT GGGTGCTGAT TGGGAAGGCA
 -3408 TTGTCTTTTA TGTGCTATGG TCTTAAAGCT TCATCCAGGA AGCAGAACTC GGGGGGTGCT
 -3348 GAGGACCCAG AACCGAGAAT AAGATTAGTC AGAGATTTCC TGTGGGCAGA AATCATAAGG
 -3288 ACGCCAACTG TTTGGGTGAG ATAAGACGAA ACCAAGAGTG GACTTGTGGC CAGAAGCGTG
 -3228 AGGAAGAGGG AGAGAGCTTC CTTTGTCCCC TTTCTTCCTC TCCCTAAGCC ACAGTGATTG
 -3168 ACAGCCCCC CGCTTTGGAG TCAGAGCAGG CTTGAGACTG GACTGGGAAA GGAGGGTGGG
 -3108 TCAGGATACA GAGCAGGAAG GCTGGGAGTG CAGGGCAGGA GCAAGGGGCT GGGGCATTCA
 -3048 TTGTGCCTGA TCTCTCCCAC TTTACCTGGG GTAAAGAAGC ATATGCAAAA GCCACGGTGT

Fig. 5

-2988 GAGTATTTCC CAAGTGCCAG GGTCAGGGCA TGATTCATCA CGTGCAGCAT TTCATTCAAT
 -2928 CCTTATAGTA ACCGATGATG TGGCTTCTAT TATTAGCTCT ATCAGATAAT GAAACTGAGA
 -2868 CCAAGACAGG CTCTGCACAT TGTGTGGGGT AATGACACAG GGGGATTGAG ACCTAGACTC
 -2808 CATAACTCCT GCCCCAGGGA CCACCCCCAC CCTCACCCTG TGCATGTCGA CAAAGGACAG
 -2748 ACTGGGCCAC TTCTCAGGAC ACAGCGGGGA AATGACACAG AGCAGGGAGG TTCCAGGAGC
 -2688 CCCGAGCGTC TTTTCTCCAG GAGAATACTC TCTGAATTCA GACTGGGGTC AGAGAAACAT
 -2628 TTACCCAGGA GCCGCAGTGT GGGTGGGGCT TTTTACTTGA AACGCTGTCT GAAGGCAGTG
 -2568 GCAGGATGAA CTCTCCACCC TACCTTGGA AGCCACTTCT CTTCTGCAAT CTGTAAGGAC
 -2508 ATTGTTGAGA GAATTATGGT CTTCCAATTG CGGAGGGTTG AAGAAAGACA AATAGGAGAG
 -2448 AACCTATCAT AGTCAGGTGC TAGCTGCCTT CTCTTTCAGA GAGTGTGAGA ATAAAGTGAT
 -2388 ACACTTGATT ATTAGCAAAT ACTTTGGAAA TTTTAAACGC TAATATTCAA CACACTCTGG
 -2328 AAGAGGCAAA TAAGTAGACA GGTTTCATATA CATCATCTCC TTCAGCTAGT CCTCACAAAA
 -2268 ACAAACAAAT GAATAAACAA AATTCTTCTT TGGCCCTCAT AGGAAGACAC TGTTTCTTGA
 -2208 ACGTGTTCAT AAAAGGATGG GTGACTCACT CAAGGTCACA CTGTTTATGA GGACAGTACA
 -2148 GGAATACAGA CATGCCATTT TGCCTGAAAA AATCCATCAC CCAGGGAGGT GACACAATTT
 -2088 TGCAGAAATG TTCTATTTCC TCTGAAGGAT ACATTCTTTA AACCTTTGGG AAATTCATTC
 -2028 ATAGTCTTCC TCCTTTGAAG GATTACTCTC TGGACACAAA GTGTTTGATT CTGATTTGTT
 -1968 GGTTGGAAGA TGTGTTGGTT GAGAGAAAGA TTCTGATTTG TTGTTTGAAA ATAGACTCAT
 -1908 CAAGATCAAC TGCTGTAGTA GTAAATATTT TGACATTTTG TCTGTATTCC TGTGCTGCCC
 -1848 TCACAAGCTG CATCACCTTG AGTGAGTCAT TCATACTTTT TTGTTTGTTT TTGTTTGGGA
 -1788 GATGGAGTCT TACTCTGTTG CCTAGGCTGG AGTGCGGTGG CGTGATCTTG GCTCACTGCG
 -1728 ACCTCCATCT CCTGGGTTCA AGTGATCCTC CTGCCTCAGC CTCCCAGTA GCTGGGATTA
 -1668 CAGGCACATG CCACCATCCC TGCTAATTTT TGCATTTTCA GTAGAGACGG AGTTTCACCA
 -1608 TGTTGGTCAG GTTGGTCTTG AACTCCTGAC CTCAGGTGAT CCGCCACCT CAGCCTCCCC
 -1548 AAGTGCTGGG ATTACAGGTG TGAGCCACCG TGCCAGCCC AGCCATCATT TTTGAAACAC
 -1488 GTTTGAGAAA TAGTGTCTTC CTTTGAGGGC CAAGGAGACA TTTTTTTTGT TTATTTGTTT
 -1428 GTTTTTGTGA GGACTAGCTG AAGGGGGTGA TGTATATTAA CCTGCCTACT TATTTGCCTC
 -1368 TTCCCAGAGT GTGATGAATA TTAGGGTTTA AAGTTTCTGA AGCATTGTGT AATAAAGCCC
 -1308 GGGGCTGGAG GTCAGAAGAC CTGGATTTCT CTGCATACTT TTGCCATCAG CAAGCTGTGT
 -1248 GACCTTGGAC AGATCCCTTT TTTGTCTAAA TCTTCTGAG TCTTCTGAA AACAAATGCCA
 -1188 GGTTGGGACA GGATGATTGC CAAGCTCCCG TCCAGCTCTA AAACACTGCA ACGTATGCTT
 -1128 CTGCACCAGC ACTGTCCATC CTGTAGATCA TGCAGAAATT CTCTTCAACT TTTTCTACC
 -1068 CATAAAATAG GAGCATGCTT ACCTTTTTTC TAATGTTCCA GGCCCCGGGT CTAGATATTG
 -1008 TAAGTAAGGA AGTTAATGTG TATCAGAGCC CATTATGGGC CAGAAGTTCT CCTCTTCCTT
 -948 CCTACACCTG CTTCTCCTC CCCTCCCTCC CTCTTTCCTT TCCTTCCTTC CATCCATTG
 -888 TGAAGAAGAC ATGATCACCC TCATTCTGAG AGTGAAGAGA CAGAGGCTCA ACTAATGAAA
 -828 TGATTTGTTT AAGGTCACAC GGGTGGCACA AGGCAAGTGG CAGAGGTTGA ATTTAGACCC
 -768 ATTCTGTGCC AAATGCTGAG TTTATGTCAT CGTCCCGAGA CCATAACTTT AAAGATGTAA
 -708 GATAGTGGGA AAAGAGTTGA TTTCAAAGCA CCTCTCAGAA GGACTCACTT TACATCAGGG
 -648 GTCAGCAGAC TCAGGCCAAA TCCGGTCCAT TCCCCGCTTT TGCAAAGAAA GTTGTAGTGG
 -588 AACACAGCTA GGCTTATTGA TTTATGGATT GCCAACGTCC TTTTGTGAAA CAGACAGCTG
 -528 AGCTGAGTAA TCGTGGCGCA CAAAACCTAA AATATTTACT ATCTCGTCTT TTACAGAATG
 -468 TTTGCCAATC TATGGTCCGG AGTCCAAGGC TGTCCATTTT TCAAAGAACA CAAAGTGACA
 -408 TGAGACTGTC CCATGTGCAG GGAGCCCTAT CATTTTATTA TGARAAAACG GCCTTTCTGC
 -348 TCAAATCTGT TTTTTAAAAA GTCAACAAAC AGACTCTGGG TACCTGTCAG GAACAGTAGG
 -288 GAGTTTGGTT TCCATTGTGC TCTTCTTCCC AGGAACTCAA TGAAGGGGAA ATAGAAATCT
 -228 TAATTTTGGG GAAATTGCAC AGGGGAAAAA GGGGAGGGAA TCAGTTACAA CACTCCATTG
 -168 CGACACTTAG TGGGGTTGAA AGTGACAACA GCAAGGGTTT CTCTTTTTGG AAATGCGAGG
 -108 AGGGTATTTT CGCTTCTCGC AGTGGGGCAG GGTGGCAGAC GCCTAGCTTG GGTGAGTGAC
 -48 TATTTCTTTA TAAACCACAA CTCTGGGCCC GCAATGGCAG TCCACTGCTT GCTGCAGTCA

Fig. 5(cont.)

13 CAGAATGGAA ATCTGCAGAG GCCTCCGCAG TCACCTAATC ACTCTCCTCC TCTTCCTGTT
 73 CCATTTCAGAG ACGATCTGCC GACCCTCTGG GAGAAAATCC AGCAAGATGC AAGCCTTCAG
 133 GTAAGGCTAC CCCAAGGAGG AGAAGGTGAG GGTGGATCAG CTGGAGACTG GAAACATATC
 193 ACAGCTGCCA GGGCTGCCAG GCCAGAGGGC CTGAGAAGTG GGTTCGGGCT GGAGAGGATG
 253 TCCATTATTC AAGAAAGAGG CTGTTACATG CATGGGCTTC AGGACTTGTG TTTCAAATA
 313 TCCCAGATGT GGATAGTGCG ACCGGAGGGC TGTCTTACTT TCCCAGAGAC TCAGGAACCC
 373 AGTGAGTAAT AGATGCATGC CAAGGAGTGG GACTGCGATT CAGGCCTAGT TGAATGTGCT
 433 GACAGAGAAG CAGAGAGGGG CACCAGGGGC ACAGCCCGAA GGCCAGACT GATATGGGCA
 493 AGGCCTGTCT GTGCTGACAT GTCGGAGGGT CCCACTCTCC AGGGACCTTG GTTTCCTCGT
 553 CTGTGACATC TGTGACATGA GAGTCACGAT AACTCCTTGT GTGCCTTACA GGGTTGTTGT
 613 GAAAATTAAA TGCACAGATA ATAGCGTAAC AGTATTCCGT GCATTGTAAA GAGCCTGAAA
 673 ACCATTATGA TTTGAAAATG GAATCGGCTT TGTGAGACCA TCATTATTGT AAAGATGTGA
 733 TGCTGATAGA AATGACAGGA CTGCTTGTGC ATGCCCTCTG CAGTGTGACA TTCCAGCAGT
 793 GAAATCATGT TGGGGTGACT TCTCCCCCAC TCTGACCTTT ATGTTTGTCT GGGCCGAGGC
 853 TGCAAGTCGG GCTCTGTGGG TGTATGAGTG ACAAGTCTCT CCCTTCAGA TATGGGGACT
 913 GTCTGCTTCC CTAGGTTGCC TCTCCCTGCT CTGATCAGCT AGAAGCTCCA GGAGATCCTC
 973 CTGGAGGCCC CAGCAGGTGA TGTATATCCC TCCAGACTGA GGCTAAATCT AGAACTAGG
 1033 ATAATCACAA ACAGGCCAAT GCTGCCATAT GCAAAGCACT TTGGTTTGCC TGGCCACCCC
 1093 TCGTCGAGCA TGTGGGCTCT TCAGAGCACC TGATGAGGTG GGTACAGTTA GCCACACTTC
 1153 ACAGGTGAAG AGGTGAGGCA CAGGTCCCAG GTCAGGCTGG CCGGAGCTCT GTTTATTACG
 1213 TCTCACAGCT TTGAGTCTCG CTCTCAACCA GAGAGGCCCT TTACCAAGAA GAAAGGATTG
 1273 GGACCCAGAA TCAGGTCACT GGCTGAGGTA GAGAGGAAGC CGGGTTGTTT CCAAGGGTAG
 1333 CTGCTCCTGC AGGACTCTGA GCAGGTCACC AGCTAATGGA GGAAAGGCTC TAGGGAAAGA
 1393 CCCTTCTGGT CTCAGACTCA GAGCGAGTTA GCTGCAAGGT GTTCCGTCTC TTGAACTTC
 1453 TACCTAGGTG CTATGGTAGC CACTAGTCTC AGGTGGCTAT TTAAATTTAT ACTTAAATGA
 1513 ATGAAAATAG AAGAAAATTT AAAATCCAGA CCCTTGGTCA CACTATCCAC ATTTAAAGAG
 1573 GTCAATAGCC ACATGTGGTT AGTGGCCACC CTATTGGGCA GTGCAGCTAC AGAACATTTT
 1633 TGCATCCCAG AAAGTTCTTT TGGATGTTGC TGCTCTACAG CATGCTTTGC TGAAACAGAA
 1693 GTGCCCTCCC TGGGAATCTC AGATGGGAAG CAAGTAAGGA GGGGAGTCAA ATGTGGGCTC
 1753 ACTGCTCACC AGCTGTGAGG GTTGGGCCCT CCTCTTAACC ATTGTCAGCC TCAGTCTTCT
 1813 CATCCATGCA TGCCGTGGGT ATACTAAAAT ACTATACCCC TGGAAGAGCT GGATGCAAT
 1873 TTGACAAATT CTGGGGGACA CAGGAAGGTG CCAAGCACAA GGCTGGGCAC ATGGTGGCTG
 1933 TGCACTACAG CTGAGTCTTT TTCTTTTCA GAATCTGGGA TGTAAACCAG AAGACCTTCT
 1993 ATCTGAGGAA CAACCAACTA GTTGCTGGAT ACTTGCAAGG ACCAAATGTC AATTTAGAAG
 2053 GTGAGTGGTT GCCAGGAAAG CCAATGTATC TGGGCATCAC GTCACTTTGC CCGTCTGTCT
 2113 GCAGCAGCAT GGCTGCTGCT CACAAACCCT AGGTGCAATG TCCTAATCCT TGTTGGGTCT
 2173 TTGTATTCAA GTTTGAAGCT GGGAGGGCCT GGCTACTGAA GGGCACATAT GAGGGTAGCC
 2233 TGAAGAGGGT GTGGAGAGGT AGAGTCTAGG TCAGAGGTCA GTGCCTATAG GCAAGTGGTC
 2293 CCAGGGCCAC AGCTGGGAAG GGCAAATACC AGAAGGCAAG GTTGACCATT CCCTTCCTCA
 2353 AGTGCCATAT AAGGCTCCAT GTTCTATGT TGTTCAAACC CTAACCTCAAT CCCAAATTA
 2413 TCCACCATGT ATAAGGTTGA GCTATGTCTC TTATTCCTGG ACACCATACT CAGCCATATC
 2473 TGGTCCACAC ATTAACAGCT GGATGACCTT GAAGAAGCTT CACCCACTCT GTTCTCAGC
 2533 TTTCCCTTCA GTGGGATGAT ATCAACTGGA CAACAGGATG TGCGATTCTT TTAGTTCCAG
 2593 CCTTCAGGA GTTTTCTACT CCCCTGTTTG TTGTTGTAGG ATGGTATTAC CTCCACCTTC
 2653 CCACCTTCCC TATGCCCTGG TTCTGTCTCC TGTGCCTCGC TCTGAAAGTG GATGAGACCT
 2713 ACAATTCCTG TCCTGGTAGT TCTCCTAATG AACACACTGA AGCACGAGGA AGCTGAGATT
 2773 TTTGTTGCTA CATGAGAGCA TGGAGGCCTC TTAGGGAGAG AGGAGGTTCA GAGACTCCTA
 2833 GGCTCCTGGT GGAGCCCCAC TCATGGCCTT GTTCATTTTC CCTGCCCTC AGCAACACTC
 2893 CTATTGACCT GGAGCACAGG TATCCTGGGG AAAGTGAGGG AAATATGGAC ATCACATGGA

Fig. 5(cont.)

2953 ACAACATCCA GGAGACTCAG GCCTCTAGGA GTAAC TGGGT AGTGTGCATC CTGGGGAAAG
 3013 TGAGGGAAAT ATGGACATCA CATGGAACAA CATCCAGGAG ACTCAGGCCCT CTAGGAGTAA
 3073 CTGGGTAGTG TGCATCCTGG GGAAAGTGAG GGAAATATGG ACATCACATG GAACAACATC
 3133 CAGGAGACTC AGGCCTCTAG GAGTAACTGG GTAGTGTGCA TCCTGGGGAA AGTGAGGGAA
 3193 ATATGGACAT CACATGGAAC AACATCCAGG AGACTCAGGC CTCTAGGAGT AACTGGGTAG
 3253 TGTGCTTGGT TTAATCTTCT ATTTACCTGC AGACCAGGAA GATGAGACCT CTCTGCCCTT
 3313 CTGACCTCGG GATTTTAGTT TTGTGGGGAC CAGGGGAGAT AGAAAAATAC CCGGGGTCTC
 3373 TTCATTATTG CTGCTTCCTC TTCTATTAAC CTGACCCTCC CCTCTGTTCT TCCCCAGAAA
 3433 AGATAGATGT GGTACCCATT GAGCCTCATG CTCTGTTCTT GGGAAATCCAT GGAGGGAAGA
 3493 TGTGCCTGTC CTGTGTCAAG TCTGGTGATG AGACCAGACT CCAGCTGGAG GTAAAAACAT
 3553 GCTTTGGATC TCAAATCACC CCAAAACCCA GTGGCTTGAA ACAACCAAAA TTTTTTCTTA
 3613 TGATTCTGTG GGTGACCAG GATTAGCTGG GTAGTTCTGT TCCATGTGGT GGAACATGCT
 3673 GGGGTCACTT TGGAAGCTGC ATTCAGCAGA GTGCCAGGCT TGCCTGGGC ATCCAAGGTG
 3733 GTCCCTCATC CTCCAGGCTC TCTTTCCATG TGATCTCTCA GTGTTTAAGA GTTAGTTGGA
 3793 GCTTCCTTAC AGCATGGCGG CTGACTTCCA AAAGGGATTA TTCCAAAAAG AGCCTCAACA
 3853 TGCAGGCGCT TATTATGACT TCTGCTTGCA TCATCCTATT GGCCAAAGCC AGTCACGTGG
 3913 CTAAGTCTAG CCCCCTGTGA GAGGAGACTG CATAAGAGTG TGAACACCAG GAGACACGGT
 3973 CACTGGGGGC CACCACTGTA ACCATCTACC ACAGGACCTG AATCTCTGTG TGCTACTCCC
 4033 TTGCTCAAGG GCCCCCTAC CCACGCAGAC CTGCTGTCTT CTAGCAAAGC CCATCCTCAG
 4093 GACCTTTCTC TTCCAATCCT TATTGACTCA AATTGATTAG TTGGTGCTCC ACCCAGAGCC
 4153 CTGTGCTCCT TTATCTCATG TAATGTAAAT GGGTTTCCCA GCCCTGGGAA AACATGGCTT
 4213 TGTCTCAGGG GCTTGCTGGA TGCAACCTTA ACCTCAATGT GAGTGGCCAT ACTGTGGCAC
 4273 TGTCCCATCC CTCACCAGGG ACACTGTTCT GGAGGGTGAC TGCCTGTTCT GTGAGGAGTG
 4333 GGGATGGCTA GGACATTGCA TGGAAACAC CACCACCCCA TCTTCTCAGA GCTCAAACCC
 4393 TGACAGAACA CCAGCTCCAC AGGCCTTGGC TTCTGCTGAT GGTGCCGTGT ATTTACCAGA
 4453 CTTAGTGGTC CAAGGCCAGA GTGGCAGATT TCCCAAAGTC AAGGTGTGAC AGTGGGACAG
 4513 CCTCTTTGTG TCTTTGCTGT CCTAAGAAAC CTGGGCCAGG CCAGGCGCAG TGGCTCACGC
 4573 CTTGTAATCC CAGCACTTTG AGAGGCCAAG GTGGGCAGAT CACGAGGTCA GGAGTTTGAG
 4633 ACCAGCCTGG CCAACATTGG TGAAACCTG TCTCTATTAA AAATAGAAAA CATTAGACAG
 4693 GTGTGGTGGT GCATGCCTGT AATCCCAGCT ACTCAGGAGG CTGAGGCAGG AGAATCGCTT
 4753 GAACCCAGGA GGTGGAGGTT GCAGTGAGCC GAGATTGTGC CACTGCATC CAGCCTAGGC
 4813 GACAGAGCAA GACTCCGTCT CGGGAAAATT AATTAATAAA TAAATAAACC TAGGTCCCAG
 4873 AGTCCACAG AATGGCAGAC AGGAGCACCT GGGGGCTTTT AGGGTATGGC ATTTCCCCTG
 4933 TACTAACTCT GGGCTGTCCA GAGGCGATT CATGGCGTGG AGTGGAGAGG GAGGCAGCAC
 4993 AGGACTTCTT AGGCCTCAGC TCTCACCTGC CCATCTTTTG ATTTCCAGGC AGTTAACATC
 5053 ACTGACCTGA GCGAGAACAG AAAGCAGGAC AAGCGCTTCG CCTTCATCCG CTCAGACAGT
 5113 GGCCCCACCA CCAGTTTGA GTCTGCCGCC TGCCCCGGTT GGTTCCTCTG CACAGCGATG
 5173 GAAGCTGACC AGCCCGTCAG CCTCACCAAT ATGCCTGACG AAGGCGTCAT GGTCAACAAA
 5233 TTCTACTTCC AGGAGGACGA GTAGTACTGC CCAGGCCTGC CTGTTCCCAT TCTTGCATGG
 5293 CAAGGACTGC AGGGACTGCC AGTCCCCCTG CCCCAGGGCT CCCGGCTATG GGGGCACTGA
 5353 GGACCAGCCA TTGAGGGGTG GACCCTCAGA AGGCGTCACA ACAACCTGGT CACAGGACTC
 5413 TGCTCTCTCT TCAACTGACC AGCCTCCATG CTGCCTCCAG AATGGTCTTT CTAATGTGTG
 5473 AATCAGAGCA CAGCAGCCCC TGCACAAAGC CCTTCCATGT CGCCTCTGCA TTCAGGATCA
 5533 AACCCGACC ACCTGCCCCA CCTGCTCTCC TCTTGCCACT GCCTCTTCCT CCCTCATTC
 5593 ACCTTCCCAT GCCCTGGATC CATCAGGCCA CTTGATGACC CCCAACCAG TGGCTCCAC
 5653 ACCCTGTTTT ACAAAAAAGA AAAGACCAGT CCATGAGGGA GGTTTTTAAG GGTGTGTGA
 5713 AAATGAAAAT TAGGATTTCA TGATTTTTTT TTTTCAGTCC CCGTGAAGGA GAGCCCTTCA
 5773 TTTGGAGATT ATGTTCTTTC GGGGAGAGGC TGAGGACTTA AAATATTCCT GCATTTGTGA
 5833 AATGATGGTG AAAGTAAAGT GTAGCTTTTC CCTTCTTTT CTTCCTTTTT TGTGATGTCC
 5893 CAACTTGTA AAATTAAAAG TTATGGTACT ATGTTAGCCC CATAATTTTT TTTTTCCTTT

Fig. 5 (cont.)

5953 TAAAACACTT CCATAATCTG GACTCCTCTG TCCAGGCACT GCTGCCCAGC CTCCAAGCTC
6013 CATCTCCACT CCAGATTTTT TACAGCTGCC TGCAGTACTT TACCTCCTAT CAGAAGTTTC
6073 TCAGCTCCCA AGGCTCTGAG CAAATGTGGC TCCTGGGGGT TCTTTCTTCC TCTGCTGAAG
6133 GAATAAATTG CTCCTTGACA TTGTAGAGCT TCTGGCACTT GGAGACTTGT ATGAAAGATG
6193 GCTGTGCCTC TGCCTGTCTC CCCACCAGGC TGGGAGCTCT GCAGAGCAGG AAACATGACT
6253 CGTATATGTC TCAGGTCCCT GCAGGGCCAA GCACCTAGCC TCGCTCTTGG CAGGTACTCA
6313 GCGAATGAAT GCTGTATATG TTGGGTGCAA AGTTCCCTAC TTCCTGTGAC TTCAGCTCTG
6373 TTTTACAATA AAATCTTGAA AATGCCTATA TTGTTGACTA TGTCTTGGC CTTGACAGGC
6433 TTTGGGTATA GAGTGCTGAG GAAACTGAAA GACCAATGTG TYTTYCTTAC CCCAGAGGCT
6493 GGC GCCTGGC CTCTTCTCTG AGAGTTCTTT TCTTCCTTCA GCCTCACTCT CCCTGGATAA
6553 CATGAGAGCA AATCTCTCTG CGGGG

Fig. 5 (cont.)